Altronix®
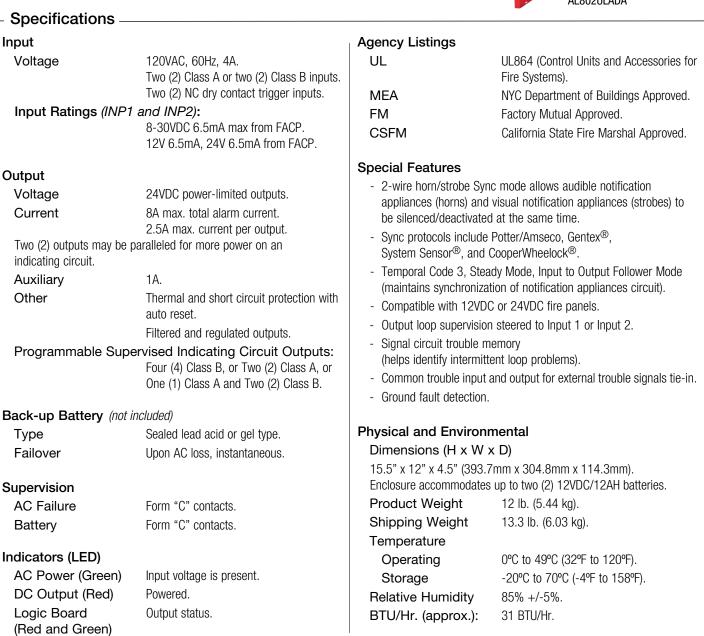
AL802ULADA
NAC Power Extender

Description

AL802ULADA is an extremely cost effective voltage regulated remote NAC Power Extender. It may be connected to any 24 volt Fire Alarm Control Panel (FACP). Primary applications include Notification Appliance Circuit (NAC) expansion (supports ADA requirements) and providing auxiliary power to support system accessories.

AL802ULADA

Specifications

Input

Voltage	120VAC, 60Hz, 4A.
	Two (2) Class A or two (2) Class B inputs.
	Two (2) NC dry contact trigger inputs.
Input Ratings *(INP1 and INP2)*:	
	8-30VDC 6.5mA max from FACP.
	12V 6.5mA, 24V 6.5mA from FACP.

Output

Voltage	24VDC power-limited outputs.
Current	8A max. total alarm current.
	2.5A max. current per output.

Two (2) outputs may be paralleled for more power on an indicating circuit.

Auxiliary	1A.
Other	Thermal and short circuit protection with auto reset.
	Filtered and regulated outputs.

Programmable Supervised Indicating Circuit Outputs:
Four (4) Class B, or Two (2) Class A, or One (1) Class A and Two (2) Class B.

Back-up Battery *(not included)*

Type	Sealed lead acid or gel type.
Failover	Upon AC loss, instantaneous.

Supervision

AC Failure	Form "C" contacts.
Battery	Form "C" contacts.

Indicators (LED)

AC Power (Green)	Input voltage is present.
DC Output (Red)	Powered.
Logic Board (Red and Green)	Output status.

Agency Listings

UL	UL864 (Control Units and Accessories for Fire Systems).
MEA	NYC Department of Buildings Approved.
FM	Factory Mutual Approved.
CSFM	California State Fire Marshal Approved.

Special Features

- 2-wire horn/strobe Sync mode allows audible notification appliances (horns) and visual notification appliances (strobes) to be silenced/deactivated at the same time.
- Sync protocols include Potter/Amseco, Gentex®, System Sensor®, and CooperWheelock®.
- Temporal Code 3, Steady Mode, Input to Output Follower Mode (maintains synchronization of notification appliances circuit).
- Compatible with 12VDC or 24VDC fire panels.
- Output loop supervision steered to Input 1 or Input 2.
- Signal circuit trouble memory (helps identify intermittent loop problems).
- Common trouble input and output for external trouble signals tie-in.
- Ground fault detection.

Physical and Environmental

Dimensions (H x W x D)
15.5" x 12" x 4.5" (393.7mm x 304.8mm x 114.3mm).
Enclosure accommodates up to two (2) 12VDC/12AH batteries.

Product Weight	12 lb. (5.44 kg).
Shipping Weight	13.3 lb. (6.03 kg).
Temperature	
Operating	0ºC to 49ºC (32ºF to 120ºF).
Storage	-20ºC to 70ºC (-4ºF to 158ºF).
Relative Humidity	85% +/-5%.
BTU/Hr. (approx.):	31 BTU/Hr.